

## *Forensic Science*

Week #3: Quarter 4

Continue to check your progress on Schoology, TEAMS and PowerSchool. Additional resources are available on the classes' website @ Wardisiani.com

Monday:

- Bell-Ringer
- Introduction to Forensic Profiling and its Applications
- Q/A Session

Tuesday:

- Criminal Minds
- Collecting Physical and Psychological Evidence Provided
- Assignment: Evidence collected is due at the end of the period.

Wednesday:

- In-Class Review of Laboratory Procedures
- Experiment: Fingerprint Evidence Collection
- Unknown to be provided tomorrow in class...Use to identify the unknown suspect.

Thursday:

- In-Class Small Group Activity
- Case Study Analysis and Discussion
- Groups are to Report Out / Round Robin to provide feedback
- Assignment: Complete and submit Fingerprint Lab.

Friday:

- Quarter 4 Project
- In-Class Discussion of Laboratory Development
- Students are to develop a laboratory activity that supports one key topic developed in class.
- Please refer to rubric developed for this specific activity.
- Q/A Session

### **Objective for Week #4**

**Mon:**

SWBAT explain forensic profiling  
IOT analyze examples  
BY describing 2 applications

**Tues:**

SWBAT categorize evidence  
IOT analyze case scenario  
BY completing evidence log

**Wed:**

SWBAT analyze fingerprints

IOT conduct lab investigation  
BY identifying unknown suspect

**Thurs:**

SWBAT defend conclusions  
IOT collaborate + present  
BY using evidence-based claims

**Fri:**

SWBAT design investigation  
IOT apply forensic concepts  
BY completing lab proposal

(PIF Instructional Alignment)

### **1. Clear Learning Objectives**

- Objective posted and visible (SWBAT / IOT / BY)
- Students can **explain what they are learning and how success is measured**
- Alignment to task is evident within first 5 minutes

### **2. Gradual Release of Responsibility (GRR)**

- **I Do:** Direct instruction / modeling (Profiling, Procedures)
- **We Do:** Guided analysis (Case study, Evidence review)
- **You Do:** Independent application (Lab work, Design task)

### **3. Student Engagement**

- Active participation (discussion, lab work, group analysis)
- Students collecting, analyzing, or defending evidence
- Use of academic vocabulary (evidence, classification, analysis)

### **4. Formative Assessment**

- Evidence logs, lab observations, group discussions
- Teacher checks for understanding during activities
- Immediate feedback provided

### **NGSS Science & Engineering Practices Observed**

- **1:** Asking Questions (Lab Design)
- **3:** Planning & Carrying Out Investigations (Fingerprint Lab)
- **4:** Analyzing & Interpreting Data (Evidence Collection)
- **6:** Constructing Explanations (Profiling)
- **7:** Argument from Evidence (Case Study)
- **8:** Communicating Information (Report-Outs)

### **Artifacts / Evidence**

- Posted objective (board or QR code)
- Completed evidence logs
- Fingerprint lab sheets
- Group discussion notes
- Lab design proposal (Friday)